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PTO/SB/08A (07-05)

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Complete if Known Substitute for form 1449/PTO Application Number 10/712,495 Filing Date November 13, 2003 INFORMATION DISCLOSURE First Named Inventor Frank JANSEN STATEMENT BY APPLICANT Art Unit 1762 (Use as many sheets as necessary) **Examiner Name** Howard E. Abramowitz Attorney Docket Number M02A430 Sheet

| Examiner    | Cite | Document Number                         | Publication Date                                 | DOCUMENTS  Name of Patentee or | Pages, Columns, Lines, Where                    |
|-------------|------|---|--|--------------------------------|---|
| Initials*   | No.  | Number-Kind Code <sup>2 (f known)</sup> | MM-DD-YYYY                                       | Applicant of Cited Document    | Retevant Passages or Retevant<br>Figures Appear |
| 1EA         | AA   | <sup>US-</sup> 4,058,430                | 11-15-1977                                       | Suntola et al                  |   |
| AFA         | AB   | US-2002/0164420                         | 11-07-2002                                       | Derderian et al                |   |
| HEA         | AC   | US- 2003/0013320                        | 01-16-2003                                       | Kim et al                      |   |
| AEA         | AD   | US- 2003/0203626                        | 10-30-2003                                       | Derderian et al                |   |
| HEAD        | AE   | <sup>US-</sup> 2003/0213435             | 11-20-2003                                       | Okuda et al                    |   |
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| FOREIGN PATENT DOCUMENTS |              |   |                     |  |   |          |  |
|--------------------------|--------------|---|---------------------|--|---|----------|--|
| Examiner Initials*       | Cite<br>No.1 | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |          |  |
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|                                  |                      |            |          | Application Number     | 10/712,495           |  |
| INFO                             | ORMATIO              | V DIS      | CLOSURE  | Filing Date            | November 13, 2003    |  |
| STA                              | TEMENT               | BY A       | PPLICANT | First Named Inventor   | Frank JANSEN         |  |
|                                  | (Use as many sh      | n se stoor | aresend  | Art Unit               | 1762                 |  |
| (030 03 many anota as necessary) |                      |            |          | Examiner Name          | Howard E. Abramowitz |  |
| Sheet                            | 2                    | of         | 2        | Attorney Docket Number | M02A430              |  |

|                       |              | NON PATENT LITERATURE DOCUMENTS   |                |
|-----------------------|--------------|---|----------------|
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| HEA<br>HEA            | AF           | D.M. HAUSMANN ET AL, "Atomic Layer Deposition of Hafnium and Zirconium Oxides Using Metal Amide Precursors", CHEM. MATER., vol. 14, no. 10, American Chemical Society, 2002, pages 4350-4358.   |                |
| HEA                   | AG           | European Search Report (4 pages) dated November 24, 2005.   |                |
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